

13281 U.S. PTO
120503

Attorney Docket No: VORT-001/01US

PATENT

U.S. Patent and Trademark Office
2011 South Clark Place
Customer Window, Mail Stop Patent Application
Crystal Plaza Two, Lobby, Room 1B03
Arlington, VA 22202

031088 U.S. PTO
10/727490
120503

UTILITY PATENT APPLICATION TRANSMITTAL

Transmitted herewith for filing is a U.S. Non-Provisional Utility Patent Application entitled:

APPARATUS AND METHOD FOR CREATING A VORTEX FLOW

naming as inventors: Gregory A. Dougherty, Sr., Bradley J. Fehn and Thomas B. Smith,
and including:

- ☒ (15) pages of description (before the claims)
- ☒ (5) pages of claims ((34) total claims; (7) independent claims)
- ☒ One (1) Sheet of Abstract
- ☒ (10) sheets of drawing(s) including Figures 1A-7.

1. Also enclosed are:

- ☒ Executed Declaration
- ☒ Executed Assignment, Cover Sheet and check for \$40.00
- ☒ Information Disclosure Statement and PTO/SB/08A
- ☒ Assertion of Entitlement to Small Entity Status
- ☒ Filing Fee Check in the amount of \$683.00
- ☒ (2) Return Receipt Postcards

2. Fees have been calculated as follows:

	NO. OF CLAIMS		EXTRA CLAIMS	RATE	FEE
Basic Application Fee					385.00
Total Claims	34	- 20 =	14	x \$9.00	126.00
Independent Claims	7	- 3 =	4	x \$43.00	172.00
Total Application Fee					683.00
Assignment Recordation Fee					40.00
TOTAL FEES DUE					723.00

- [x] A check in the amount of **\$683.00** for the Filing Fee, and a check in the amount of **\$40.00** for the Assignment Recordation Fee are attached.
- [x] The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§1.16, 1.17, and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 50-1283.
3. Please direct all correspondence concerning this application to:

COOLEY GODWARD LLP

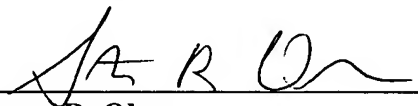
**ATTN: Patent Group
One Freedom Square
Reston Town Center
11951 Freedom Drive
Reston, VA 20190-5656
Tel: (703) 456-8000
Fax: (703) 456-8100**

Dated: 12/5/03

Respectfully submitted,
COOLEY GODWARD LLP

Cooley Godward LLP
ATTN: Patent Group
One Freedom Square
Reston Town Center
11951 Freedom Drive
Reston, VA 20190-5656
Tel: (703) 456-8000
Fax: (703) 456-8100

By:


Steven R. Olsen
Reg. No. 48,174